

P016330GB seq listing.ST25.txt

## SEQUENCE LISTING

&lt;110&gt; Cyclacel Ltd

&lt;120&gt; Polypeptides

&lt;130&gt; P016330WO IJF

&lt;150&gt; GB0402904.7

&lt;151&gt; 2004-02-10

&lt;160&gt; 4

&lt;170&gt; PatentIn version 3.0

&lt;210&gt; 1

&lt;211&gt; 1059

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; expression construct

<400> 1  
ccagttcctt caaagcagtc agcaagggtgg caagttgcaa aagagcttta tcaaactgaa 60  
agtaattatg ttaatatatt ggcaacaatt attcagttat ttcaagtacc attggaagag 120  
gaaggacaac gtggtggacc tatccttgca ccagaggaga ttaagactat ttttggtagc 180  
atcccagata tctttgatgt acacactaag ataaaggatg atcttgaaga ctttatagtt 240  
aattgggatg agagcaaaaag cattgggtgac atttttctga aatattcaaa agatttggtg 300  
aaaacctacc ctccctttgt aaacttcttt gaaatgagca aggaaacaat tattaaatgt 360  
gaaaaacaga aaccaagatt tcatgctttt ctcaagataa accaagcaaa accagaatgt 420  
ggacggcaga gccttggtga acttcttata cgaccagtac agaggttacc cagtgttgca 480  
ttacttttaa atgatcttaa gaagcataca gctgatgaaa atccagacaa aagcacttta 540  
gaaaaagcta ttggatcact gaaggaagta atgacgcata ttaatgagga taagagaaaa 600  
acagaagctc aaaagcaaat ttttgatgtt gtttatgaag tagatggatg cccagcta 660

## P016330GB seq listing.ST25.txt

```

cttttatctt ctcaccgaag cttagtacag cgggttgaaa caatttctct aggtgagcac    720
ccctgtgaca gaggagaaca agtaactctc ttctcttcca atgattgcct agagatagca    780
agaaaaacggc acaaggttat tggcactttt aggagtcctc atggccaaac ccgaccccca    840
gcttctctta agcatattca cctaattgcct ctttctcaga ttaagaaggc attggacata    900
agagagacag aagattgcca taatgctttt gccttgcttg tgaggccacc aacagagcag    960
gcaaatgtgc tactcagttt ccagatgaca tcagatgaac ttccaaaaga aaactggcta   1020
aagatgctgt gtcgacatgt agctaacacc atttgtaaa                          1059

```

&lt;210&gt; 2

&lt;211&gt; 1305

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Expression construct

&lt;400&gt; 2

```

atgtcgtact accatcacca tcaccatcac ctggaatcaa caagtttgta caaaaaagca    60
ggctctttta aggaaccaat tcagtcgact ggatccggta ccgaattcgc ccttccagtt   120
ccttcaaagc agtcagcaag gtggcaagtt gcaaaagagc tttatcaaac tgaaagtaat   180
tatgttaata tattggcaac aattattcag ttattttcaag taccattgga agaggaagga   240
caacgtgggtg gacctatcct tgcaccagag gagattaaga ctatttttgg tagcatccca   300
gatattctttg atgtacacac taagataaag gatgatcttg aagaccttat agttaattgg   360
gatgagagca aaagcattgg tgacattttt ctgaaatatt caaaagattt ggtaaaaacc   420
taccctccct ttgtaaaactt ctttgaaatg agcaaggaaa caattattaa atgtgaaaaa   480
cagaaaccaa gatttcatgc ttttctcaag ataaaccaag caaaaccaga atgtggacgg   540
cagagccttg ttgaacttct tatccgacca gtacagaggt taccagtggt tgcattactt   600
ttaaatgata ttaagaagca tacagctgat gaaaatccag acaaaagcac tttagaaaaa   660
gctattggat cactgaagga agtaatgacg catattaatg aggataagag aaaaacagaa   720
gctcaaaagc aaatttttga tgttgtttat gaagtagatg gatgcccgagc taatctttta   780
tcttctcacc gaagcttagt acagcggggtt gaaacaattt ctctaggtga gcaccctgt   840
gacagaggag aacaagtaac tctcttcctc ttcaatgatt gcctagagat agcaagaaaa   900
cggcacaagg ttattggcac ttttaggagt cctcatggcc aaaccgcacc ccagcttct   960
cttaagcata ttcacctaat gcctctttct cagattaaga aggtattgga cataagagag  1020
acagaagatt gccataatgc ttttgcttgg cttgtgagggc caccaacaga gcaggcaaat  1080

```

## P016330GB seq listing.ST25.txt

```

gtgctactca gtttccagat gacatcagat gaacttccaa aagaaaactg gctaaagatg 1140
ctgtgtcgac atgtagctaa caccatttgt aaagcaaggg cgaattcgcg gccgcactcg 1200
agatatctag acccagcttt cttgtacaaa gtggttgatt cgaggctgct aacaaagccc 1260
gaaaggaagc tgagttggct gctgccaccg ctgagcaata actag 1305

```

&lt;210&gt; 3

&lt;211&gt; 353

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Expressed protein

&lt;400&gt; 3

```

Pro Val Pro Ser Lys Gln Ser Ala Arg Trp Gln Val Ala Lys Glu Leu
1          5          10          15
Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile Leu Ala Thr Ile Ile Gln
20          25          30
Leu Phe Gln Val Pro Leu Glu Glu Gly Gln Arg Gly Gly Pro Ile
35          40          45
Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe Gly Ser Ile Pro Asp Ile
50          55          60
Phe Asp Val His Thr Lys Ile Lys Asp Asp Leu Glu Asp Leu Ile Val
65          70          75          80
Asn Trp Asp Glu Ser Lys Ser Ile Gly Asp Ile Phe Leu Lys Tyr Ser
85          90          95
Lys Asp Leu Val Lys Thr Tyr Pro Pro Phe Val Asn Phe Phe Glu Met
100          105          110
Ser Lys Glu Thr Ile Ile Lys Cys Glu Lys Gln Lys Pro Arg Phe His
115          120          125
Ala Phe Leu Lys Ile Asn Gln Ala Lys Pro Glu Cys Gly Arg Gln Ser
130          135          140
Leu Val Glu Leu Leu Ile Arg Pro Val Gln Arg Leu Pro Ser Val Ala
145          150          155          160
Leu Leu Leu Asn Asp Leu Lys Lys His Thr Ala Asp Glu Asn Pro Asp
165          170          175
Lys Ser Thr Leu Glu Lys Ala Ile Gly Ser Leu Lys Glu Val Met Thr
180          185          190
His Ile Asn Glu Asp Lys Arg Lys Thr Glu Ala Gln Lys Gln Ile Phe
195          200          205
Asp Val Val Tyr Glu Val Asp Gly Cys Pro Ala Asn Leu Leu Ser Ser

```

## P016330GB seq listing.ST25.txt

```

210                215                220
His Arg Ser Leu Val Gln Arg Val Glu Thr Ile Ser Leu Gly Glu His
225                230                235                240

Pro Cys Asp Arg Gly Glu Gln Val Thr Leu Phe Leu Phe Asn Asp Cys
                245                250                255

Leu Glu Ile Ala Arg Lys Arg His Lys Val Ile Gly Thr Phe Arg Ser
                260                265                270

Pro His Gly Gln Thr Arg Pro Pro Ala Ser Leu Lys His Ile His Leu
                275                280                285

Met Pro Leu Ser Gln Ile Lys Lys Val Leu Asp Ile Arg Glu Thr Glu
                290                295                300

Asp Cys His Asn Ala Phe Ala Leu Leu Val Arg Pro Pro Thr Glu Gln
305                310                315                320

Ala Asn Val Leu Leu Ser Phe Gln Met Thr Ser Asp Glu Leu Pro Lys
                325                330                335

Glu Asn Trp Leu Lys Met Leu Cys Arg His Val Ala Asn Thr Ile Cys
                340                345                350

```

Lys

&lt;210&gt; 4

&lt;211&gt; 434

&lt;212&gt; PRT

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Expressed protein

&lt;400&gt; 4

```

Met Ser Tyr Tyr His His His His His His Leu Glu Ser Thr Ser Leu
1                5                10                15

Tyr Lys Lys Ala Gly Ser Leu Lys Glu Pro Ile Gln Ser Thr Gly Ser
                20                25                30

Gly Thr Glu Phe Ala Leu Pro Val Pro Ser Lys Gln Ser Ala Arg Trp
                35                40                45

Gln Val Ala Lys Glu Leu Tyr Gln Thr Glu Ser Asn Tyr Val Asn Ile
                50                55                60

Leu Ala Thr Ile Ile Gln Leu Phe Gln Val Pro Leu Glu Glu Glu Gly
65                70                75                80

Gln Arg Gly Gly Pro Ile Leu Ala Pro Glu Glu Ile Lys Thr Ile Phe
                85                90                95

Gly Ser Ile Pro Asp Ile Phe Asp Val His Thr Lys Ile Lys Asp Asp
                100                105                110

```

P016330GB seq listing.ST25.txt

Leu	Glu	Asp	Leu	Ile	Val	Asn	Trp	Asp	Glu	Ser	Lys	Ser	Ile	Gly	Asp	115	120	125
Ile	Phe	Leu	Lys	Tyr	Ser	Lys	Asp	Leu	Val	Lys	Thr	Tyr	Pro	Pro	Phe	130	135	140
Val	Asn	Phe	Phe	Glu	Met	Ser	Lys	Glu	Thr	Ile	Ile	Lys	Cys	Glu	Lys	145	150	155
Gln	Lys	Pro	Arg	Phe	His	Ala	Phe	Leu	Lys	Ile	Asn	Gln	Ala	Lys	Pro	165	170	175
Glu	Cys	Gly	Arg	Gln	Ser	Leu	Val	Glu	Leu	Leu	Ile	Arg	Pro	Val	Gln	180	185	190
Arg	Leu	Pro	Ser	Val	Ala	Leu	Leu	Leu	Asn	Asp	Leu	Lys	Lys	His	Thr	195	200	205
Ala	Asp	Glu	Asn	Pro	Asp	Lys	Ser	Thr	Leu	Glu	Lys	Ala	Ile	Gly	Ser	210	215	220
Leu	Lys	Glu	Val	Met	Thr	His	Ile	Asn	Glu	Asp	Lys	Arg	Lys	Thr	Glu	225	230	235
Ala	Gln	Lys	Gln	Ile	Phe	Asp	Val	Val	Tyr	Glu	Val	Asp	Gly	Cys	Pro	245	250	255
Ala	Asn	Leu	Leu	Ser	Ser	His	Arg	Ser	Leu	Val	Gln	Arg	Val	Glu	Thr	260	265	270
Ile	Ser	Leu	Gly	Glu	His	Pro	Cys	Asp	Arg	Gly	Glu	Gln	Val	Thr	Leu	275	280	285
Phe	Leu	Phe	Asn	Asp	Cys	Leu	Glu	Ile	Ala	Arg	Lys	Arg	His	Lys	Val	290	295	300
Ile	Gly	Thr	Phe	Arg	Ser	Pro	His	Gly	Gln	Thr	Arg	Pro	Pro	Ala	Ser	305	310	315
Leu	Lys	His	Ile	His	Leu	Met	Pro	Leu	Ser	Gln	Ile	Lys	Lys	Val	Leu	325	330	335
Asp	Ile	Arg	Glu	Thr	Glu	Asp	Cys	His	Asn	Ala	Phe	Ala	Leu	Leu	Val	340	345	350
Arg	Pro	Pro	Thr	Glu	Gln	Ala	Asn	Val	Leu	Leu	Ser	Phe	Gln	Met	Thr	355	360	365
Ser	Asp	Glu	Leu	Pro	Lys	Glu	Asn	Trp	Leu	Lys	Met	Leu	Cys	Arg	His	370	375	380
Val	Ala	Asn	Thr	Ile	Cys	Lys	Ala	Arg	Ala	Asn	Ser	Arg	Pro	His	Ser	385	390	395
Arg	Tyr	Leu	Asp	Pro	Ala	Phe	Leu	Tyr	Lys	Val	Val	Asp	Ser	Arg	Leu	405	410	415
Leu	Thr	Lys	Pro	Glu	Arg	Lys	Leu	Ser	Trp	Leu	Leu	Pro	Pro	Leu	Ser	420	425	430
Asn	Asn																	